SERVICE BULLETIN

Reference number:	**SB-30-1282**	**Issued: 16 September, 2019**
Subject:	**Set Up Guide for Dataloggers**	
Model(s):	**DB9, DB11, DBS Superleggera, Vantage 19MY, Vantage (2006-2017), Rapide, Vanquish**	
VIN Range:	**N/A**	
Applicable to:	**All Dealers**	
Distribute to:	**After Sales Manager** **Executive Manager** **Service Manager** **Sales Manager**	**Warranty Staff** **Technician(s)** **Parts Staff**

Reason for this Service Bulletin

Dataloggers are not standard workshop equipment, but AMtech can ask you to use one in a Customer vehicle. This Service Bulletin gives instruction on how to install a datalogger and contains the parts the follow:

1. Equipment list
2. Firmware Update
3. To Set the Time
4. To Configure the Datalogger
5. To move the IVD files
6. To Insert a SIM Card into the Datalogger
7. To Add GPRS Settings

The guides that follow show how to download data from a vehicle's ECU. Each procedure is specific to the type of ECU installed in the vehicle.

- Guide A: Visteon EMS (DB9, DBS (08-12), Virage, Rapide (6 speed/<15MY), Vanquish (6 Speed/<15MY), V12 Vantage (<14MY), V8 Vantage (all variants))
- Guide B: Bosch EMS (V12 Vantage S (14MY>), Rapide (8 Speed/15MY>), Vanquish (8 Speed/15MY>), Vantage GT12, Taraf)
- Guide C: CAN (DB11, DBS Superleggera)Guide C: CAN (DB11, DBS Superleggera)
- Guide D: CAN (Vantage 19MY)
- Guide E: CCP (Rapide, Vanquish, V12 Vantage)
- Guide F: CCP (DB11 V12 and DBS Superleggera)
- Guide G: CCP (DB11 V8, Vantage 19MY)

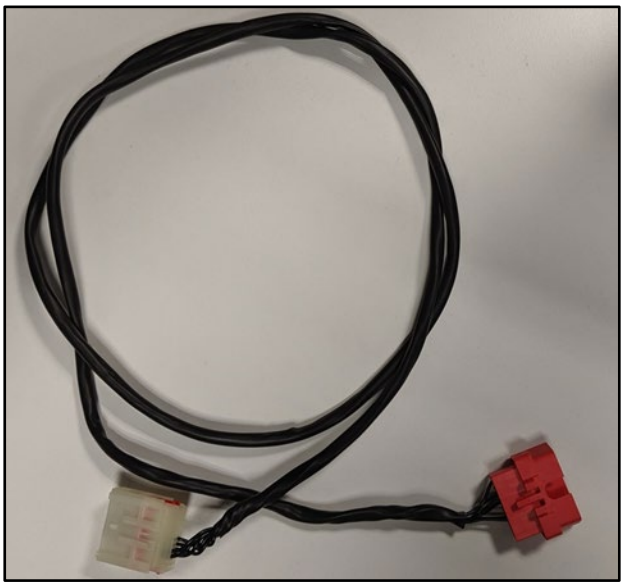
Workshop Procedure

CAUTION: **MAKE SURE YOU USE THE CORRECT CONFIGURATION FILE AND READ THE COVER SHEET FOR THE CONFIGURATION. INCORRECT SETTINGS CAN CAUSE THE VEHICLE TO OPERATE INCORRECTLY.**

1. Equipment list

Influx datalogger

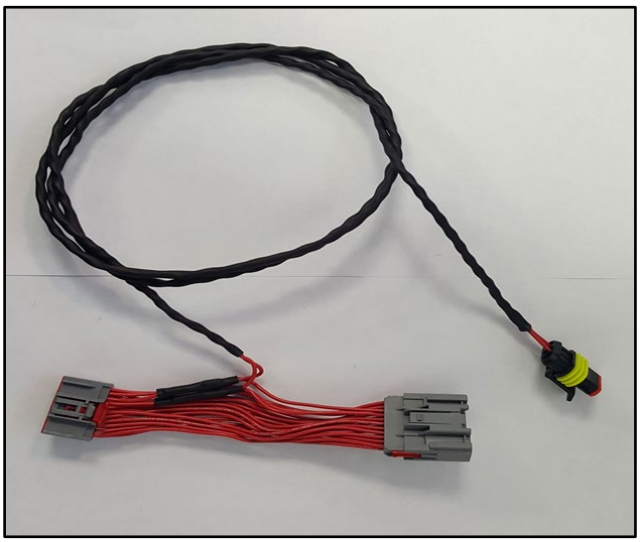
Dual OBD cable



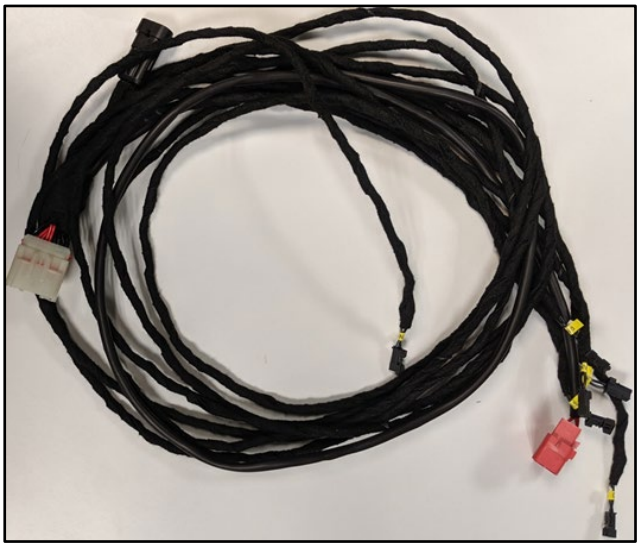
Single OBD cable

Rebel interface cable

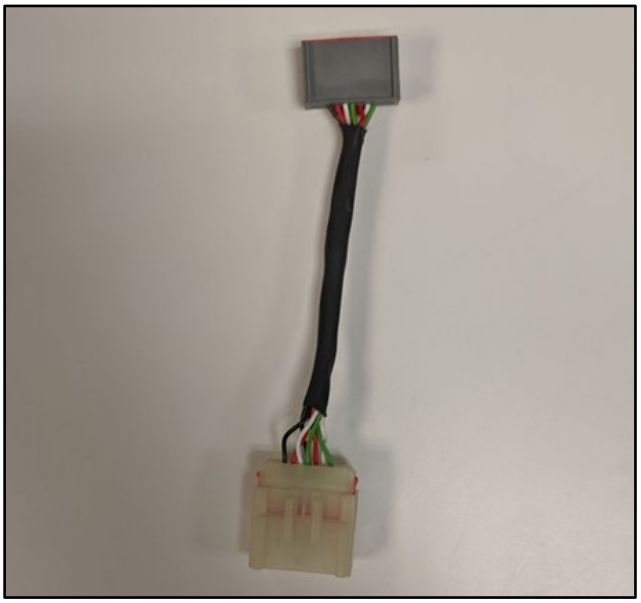
Trigger switch



Flexray link lead



EVO cable



Resistive link lead

USB A to USB B

GPS and GPRS antenna

Influx Rebel Logger Set Up		
1. Configuration File Creator Details		
1.1	Configuration File Name:	
1.2	Configuration File Author:	
1.3	E-mail Address:	
1.4	Date:	
2. Configuration File		
2.1	CAN or CCP File:	
2.2	Car Model:	
2.3	Engine System:	
2.4	Set up Guide Required:	
2.5	Functionality of Configuration:	
2.6	How is the Event triggered:	
2.7	Sleep Mode Function:	
2.8	LED Status:	F1: F2: F3: F4: F5: LAN: SD: CN: ST:
2.9	Does the Config Require a GPS/GPRS Antenna?	
3. Additional Comments		
3.1		

Configuration Cover Sheet

Software

The Dialog remote software is available from the Influx Technology website here:
http://www.influxtechnology.com/SharedFiles/Dialog/Dialog%20Remote.msi

Note: ***The installation of Aston Martin software can be prevented by firewalls or other IT systems. Speak to your IT department if you cannot install the software.***

2. Firmware Update

1. Save the firmware file (.frm file supplied by AMTech) to:
   C:\Program Files (x86)\Influx Technology\DialogRemote\Firmware
   If there is no firmware folder in Dialog Remote, make a firmware folder.
2. Connect the datalogger to an OBD port in a vehicle, with a cable from the datalogger kit.
3. Connect the datalogger to the laptop with the USB A to USB B cable.
4. Open “Dialog Remote” (refer to Figure 1).
   Click “Reflash Rebel” (1) to get the Reflash window.
5. If step 1 has been done correctly, the file name is shown (2).
6. Click “Reprogram” (3) and click again. The flash will take around twenty seconds and the datalogger will reset during the process.

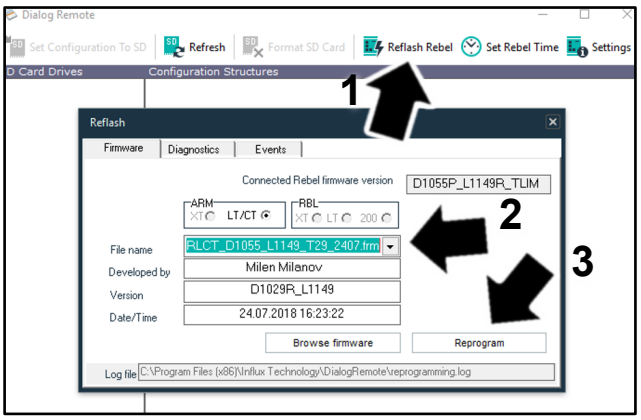


Figure 1

7. When the flash is completed, disconnect the OBD connector and USB.

3. To Set the Time

1. Connect the datalogger to the laptop with the USB A to USB B cable.
2. Open “Dialog Remote” (refer to Figure 2).
   Click “Set Rebel Time” (1).
3. Do a check that the correct time shows (2).
   If the time is correct, click “OK” (3).
   If the time is incorrect, change it and click “OK”.

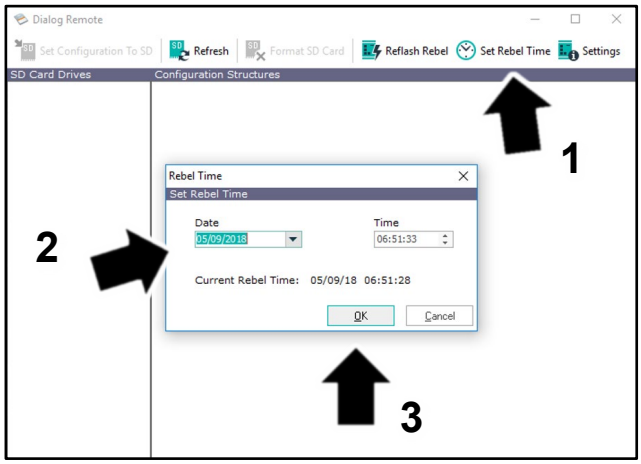


Figure 2

4. To Configure the Datalogger

1. Remove the SD card from the datalogger.
2. Connect the SD card to your computer.
3. Save the configuration file supplied by AMtech to an applicable location on your laptop.
4. Open “Dialog Remote” (refer to Figure 3).
   Click “Set Configuration to SD” (1). The Windows box will be seen.
5. Select the configuration file that was saved on your laptop (2). Make sure that the file name and file type are shown in the box below.
6. Click “Open” (3).

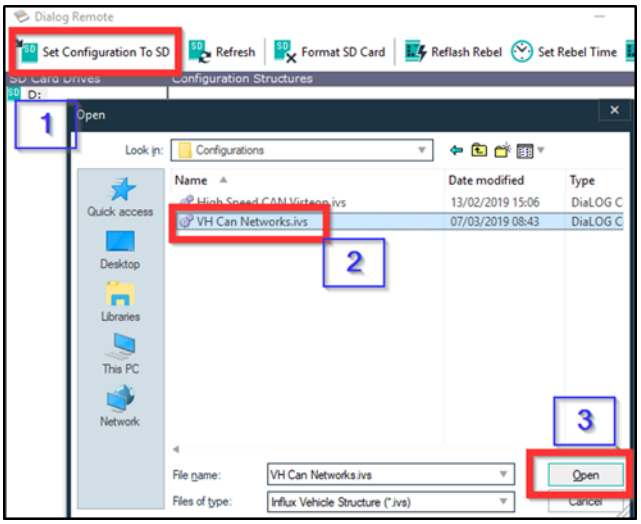


Figure 3

5. To move the IVD files

1. Remove the SD card from the datalogger.
2. Connect the SD card to a slot on your computer.
3. Use File Explorer to open the “Influx Tech SD Card” (refer to Figure 4).

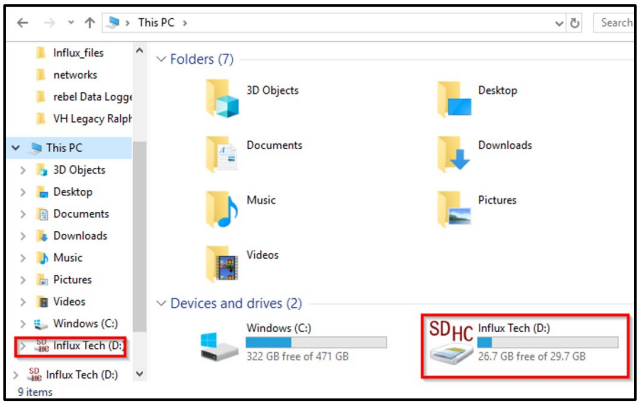


Figure 4

4. Open the configuration folder (refer to Figure 5).

   Note: The folder has the same name as the configuration used.

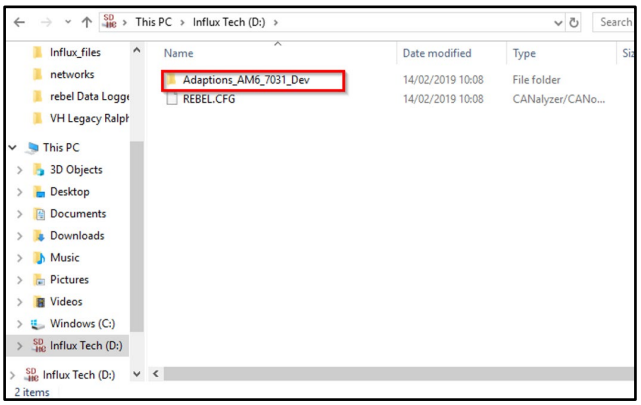


Figure 5

5. Copy the IVD files onto your laptop (refer to Figure 6).

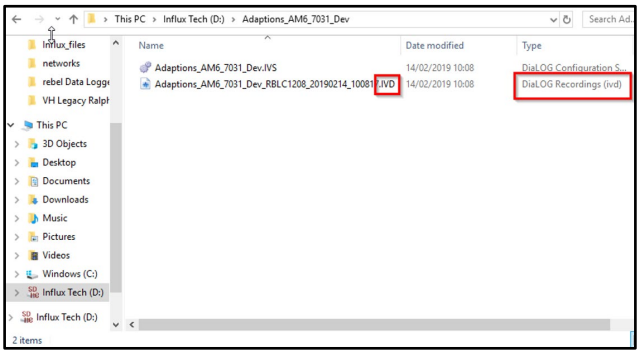


Figure 6

6. Send a copy of the files back to AMtech.

6. To Insert a SIM Card into the Datalogger

1. Remove the SD card from the datalogger.
2. On the front panel, remove the plastic fixing covers and the Torx screws (T10) (refer to Figure 7).

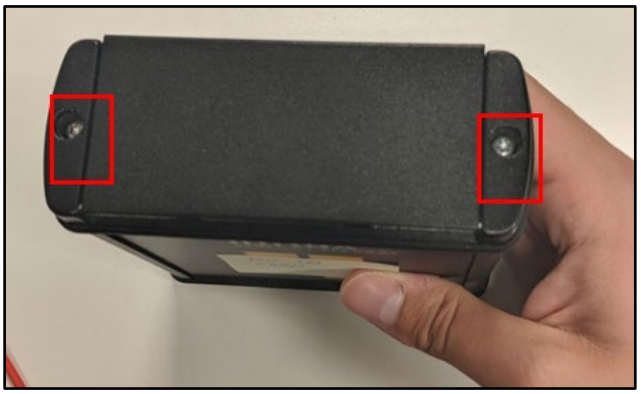


Figure 7

3. Carefully remove the front panel.
4. Find the SIM card slot (refer to Figure 8).

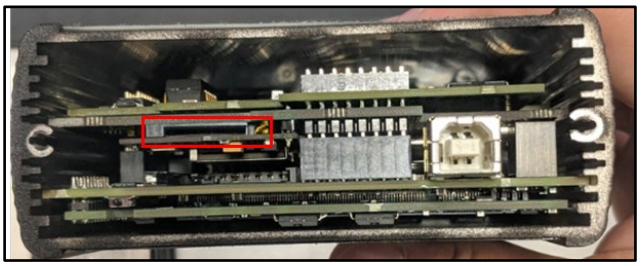


Figure 8

5. Put the SIM card in the SIM card slot. Push it in until you hear a click and the SIM card is flush with the housing (refer to Figure 9).

   Note: The SIM card must be the standard size.

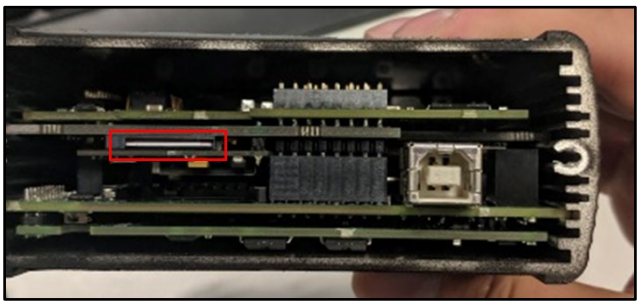


Figure 9

6. Install the front cover for the datalogger.

7. To Add GPRS Settings

1. Connect the datalogger to your laptop with the USB A to USB B cable.

   Note: A data-enabled SIM card must be installed in the datalogger (see section 6).

2. Open "Dialog Remote" and click "Settings" (refer to Figure 10).

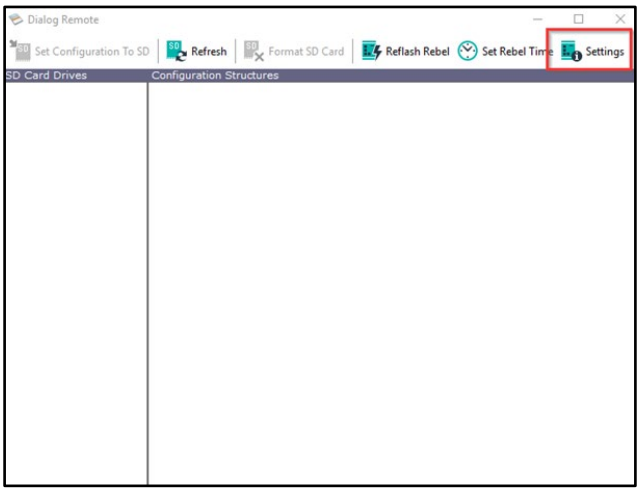


Figure 10

3. Open the "Manufacturing Info" tab and make sure that "Alternative Interface" is set to "GPRS device" or "WiFi/GPRS device" (refer to Figure 11).

4. Click "Update" to update the settings for the datalogger.

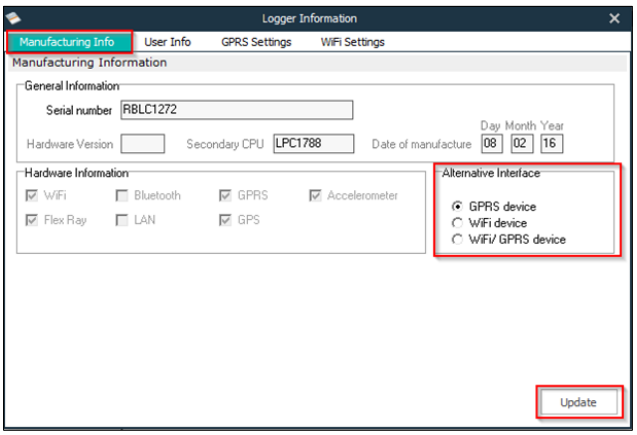


Figure 11

5. Open the "User Info" tab. Set "Max Log Time" to 1 hour and "Max File Size" to 100 Mb. Click "Update" (refer to Figure 12).

   Note: Data will be saved to the datalogger when one of the two maximums is reached. The datalogger will start a new file when this occurs. This makes it easier to download files from the datalogger.

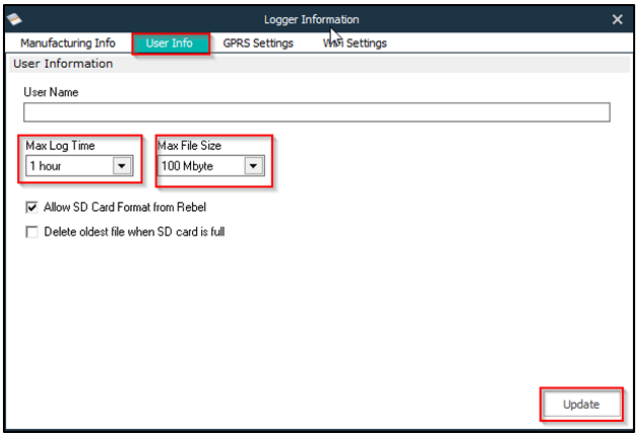


Figure 12

6. Click the “GPRS Settings” tab (refer to Figure 13).

7. Fill in the “APN”, “Default User” and “Password” fields. Refer to your SIM card instructions.

8. Set the “GPRS location” to the correct value for your area.

9. Set the “Server IP” to 51.141.39.69

10. Click “Update” to save the values to the datalogger.

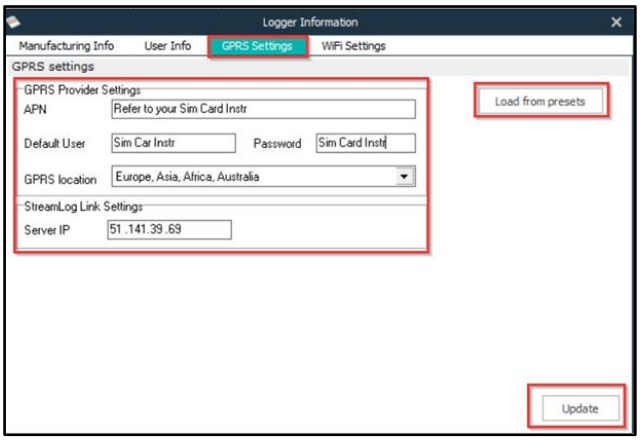


Figure 13

Guide A: Visteon EMS (DB9, DBS (08-12), Virage, Rapide (6 speed/<15MY), Vanquish (6 Speed/<15MY), V12 Vantage (<14MY), V8 Vantage (all variants))

1. Make sure you have these items of equipment prepared:
   1. Influx datalogger – with SD card inserted
   2. Dual OBD cable
   3. Rebel interface cable
   4. Trigger switch (if this is included on the cover sheet)
   5. Configuration Cover Sheet
   6. GPS and GPRS antenna (if this is included on the cover sheet)

2. Make sure you have configured the datalogger (refer to section 4).

3. Connect the Body OBD connection to the OBD port on the passenger's side.

4. Connect the Powertrain OBD connection to the OBD port on the driver's side.

5. Connect the 25-way and 15-way connectors to the datalogger.

6. Connect the 22-way connectors. These connect the OBD cable to the datalogger.

7. If the Configuration Cover Sheet says a trigger switch is necessary, connect the trigger switch to the rebel interface cable. Put the switch in a position where you can access it when driving.

8. If the configuration cover sheet says a GPS/GPRS antenna is necessary, connect the GPS/GPRS antenna to the datalogger. Put the antenna on the dashboard or on the parcel shelf.

9. When the datalogger has recorded events, do section 5 of this Service Bulletin.

Guide B: Bosch EMS (V12 Vantage S (14MY>), Rapide (8 Speed/15MY>), Vanquish (8 Speed/15MY>), Vantage GT12, Taraf)

1. Make sure you have these items of equipment prepared:
   1. Influx datalogger – with SD card inserted
   2. Single OBD cable
   3. Rebel interface cable
   4. Trigger switch (if this is included on the cover sheet)
   5. Configuration Cover Sheet
   6. GPS and GPRS antenna (if this is included on the cover sheet)

2. Make sure you have configured the datalogger (refer to section 4).

3. Connect the single OBD cable to the OBD port on the driver's side.

4. Connect the 25-way and 15-way connectors to the datalogger.

5. Connect the 22-way connectors. These will connect the OBD cable to the datalogger.

6. If the Configuration Cover Sheet says a trigger switch is necessary, connect the trigger switch to the rebel interface cable. Put the switch in a position where you can access it when driving.

7. If the configuration cover sheet says a GPS/GPRS antenna is necessary, connect the GPS/GPRS antenna to the datalogger. Put the antenna on the dashboard or on the parcel shelf.

8. When the datalogger has recorded events, do section 5 of this Service Bulletin.

Guide C: CAN (DB11, DBS Superleggera)

1. Make sure you have these items of equipment prepared:
    1. Influx datalogger – with SD card inserted
    2. EVO cable
    3. Rebel interface cable
    4. Trigger switch (if this is included on the cover sheet)
    5. Configuration Cover Sheet
    6. GPS and GPRS antenna (if this is included on the cover sheet)
2. Make sure you have completed section 4 of this Service Bulletin.
3. Connect the OBD connector to the OBD port on the driver's side.

Note: ***Each Controller Area Network (CAN) connector must be attached to the correct header. This information can be found in the Configuration Cover Sheet.***

4. **Engine CAN** – This header is in the passenger's footwell (refer to Figure 14).

    CAN header connector: **N84**
    CAN H colour: **Brown/ Yellow (N/Y)**

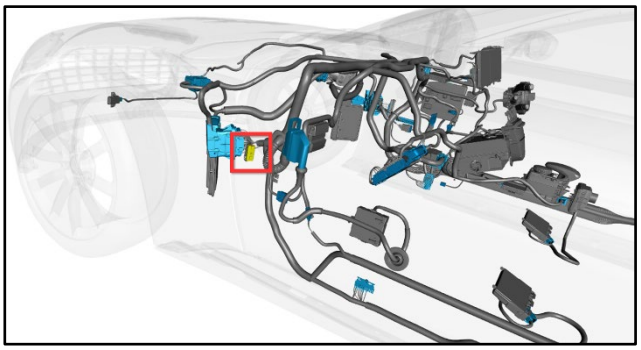


Figure 14

5. **Powertrain CAN** – This header is in the right side footwell (refer to Figure 15).

    CAN header connector: **N83**
    CAN H colour: **Blue/White (U/W)**

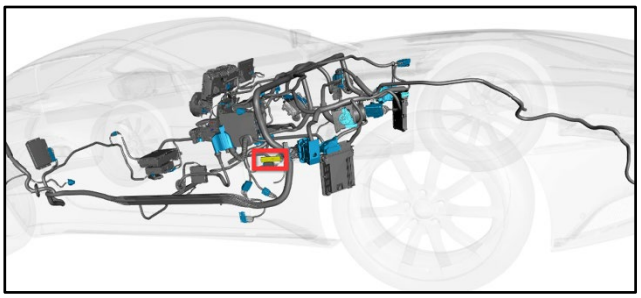


Figure 15

6. **Body CAN** – This header is in the driver's footwell (refer to Figure 16).

    CAN header connector: **N81**
    CAN H colour: **Brown/Red (N/R)**

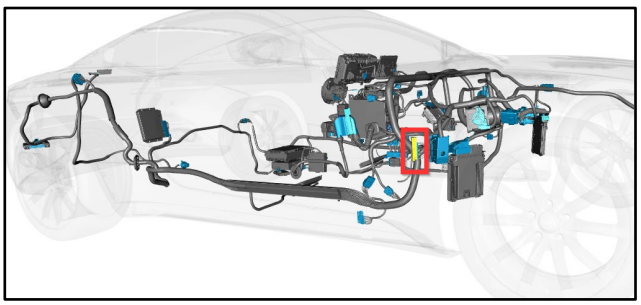


Figure 16

7. **Periphery CAN** – This header is in the instrument panel next to the DRVU (refer to Figure 17).

   CAN header connector: **N85**
   CAN H colour: **Red/White (R/W)**

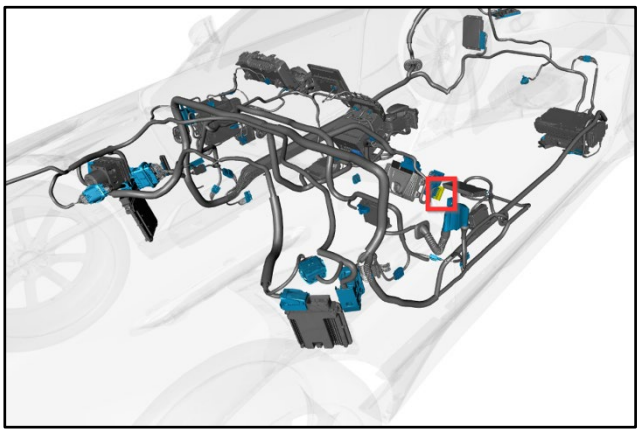


Figure 17

8. **HMI CAN** – This header is in the instrument panel next to the DRVU (refer to Figure 18).

   CAN header connector: **N82**
   CAN H colour: **Yellow/White (Y/W)**

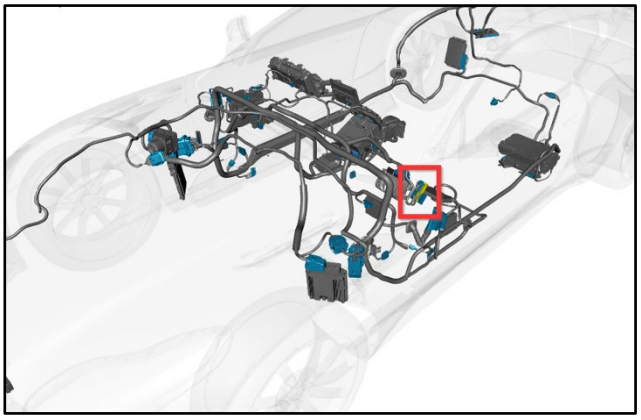


Figure 18

9. **HU CAN** – This header is in the instrument panel next to the DRVU (refer to Figure 19).

   CAN header connector: **N87**
   CAN H colour: **Black/White (B/W)**

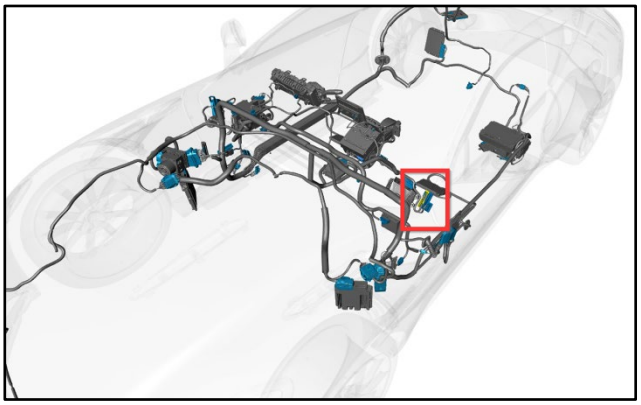


Figure 19

10. **FlexRay CAN Breakout** – This 22-way connection is on the passenger's side (refer to Figure 20).
    Use the Breakout Flexray cable to bridge the 22-way connector. Put the 3-pin plug into the Flexray 3-pin plug on the EVO cable.

    CAN header connector: **C38.12 (22-way grey connector)**
    CAN H colour: **Green (high) & Pink (low)**

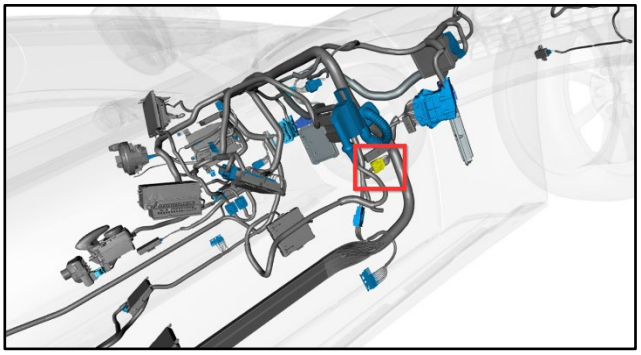


Figure 20

11. Connect the 25-way and 15-way connectors to the datalogger.

12. Connect the 22-way connectors. This will connect the EVO cable to the datalogger.

13. If the Configuration Cover Sheet says a trigger switch is necessary, connect the trigger switch to the rebel interface cable. Put the switch in a position where you can access it when driving.

14. If the configuration cover sheet says a GPS/GPRS antenna is necessary, connect the GPS/GPRS antenna to the datalogger. Put the antenna on the dashboard or on the parcel shelf.

15. When the datalogger has recorded events, do section 5 of this Service Bulletin.

Guide D: CAN (Vantage 19MY)

1. Make sure you have these items of equipment prepared:
    1. Influx datalogger – with SD card inserted
    2. EVO cable
    3. Rebel interface cable
    4. Trigger switch (if this is included on the cover sheet)
    5. Configuration Cover Sheet
    6. GPS and GPRS antenna (if this is included on the cover sheet)
2. Make sure you have configured the datalogger (refer to section 4).
3. Connect the OBD connector to the OBD port on the driver's side.

Note: ***Each Controller Area Network (CAN) connector must be attached to the correct header. This information can be found in the Configuration Cover Sheet.***

4. **EDiff Private CAN** – This header is behind the rear right trim, near the battery (refer to Figure 21).

    CAN header connector: **N86**
    CAN H colour: **Purple/White**

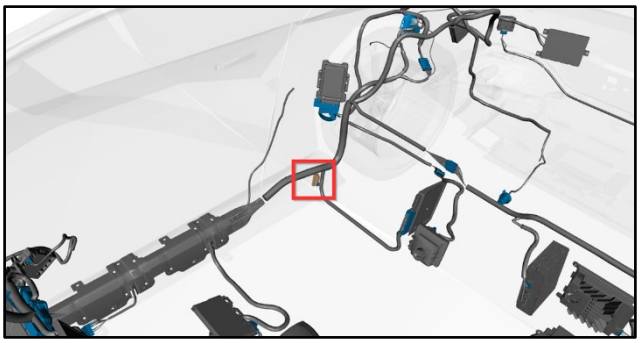


Figure 21

5. **Powertrain CAN** – This header is in the right-side footwell (refer to Figure 22).

    CAN header connector: **N83**
    CAN H colour: **Blue/White (U/W)**

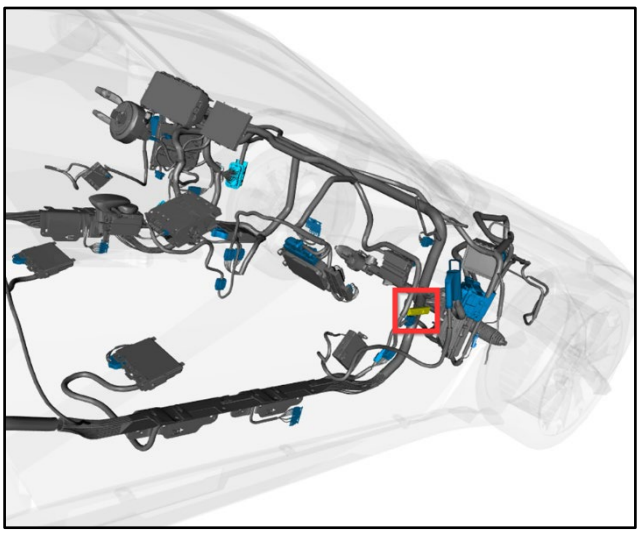


Figure 22

6. **Body CAN** – This header is in the driver's footwell (refer to Figure 23).

   CAN header connector: **N81**
   CAN H colour: **Brown/Red (N/R)**

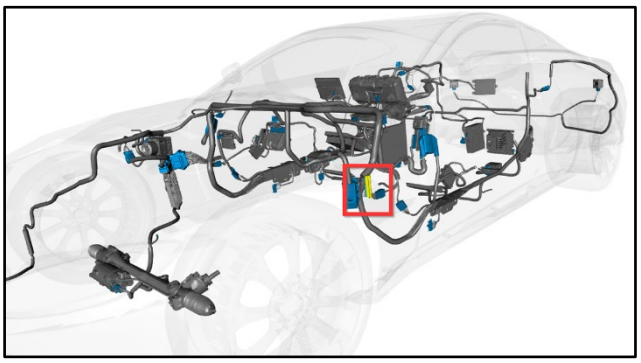


Figure 23

7. **Periphery CAN** – This header is in the instrument panel next to the DRVU (refer to Figure 24).

   CAN header connector: **N85**
   CAN H colour: **Red/White (R/W)**

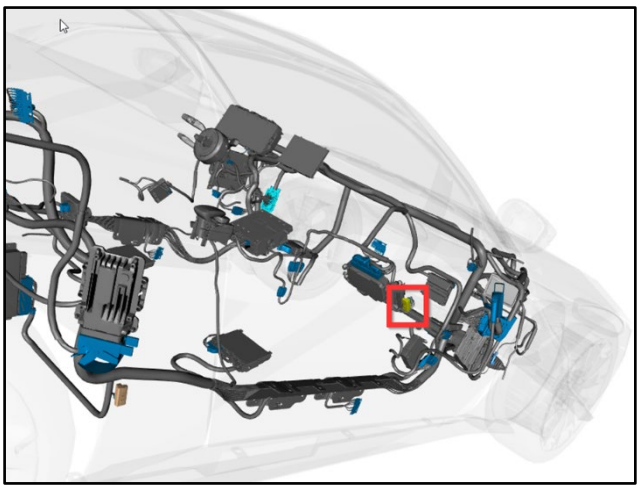


Figure 24

8. **HMI CAN** – This header is in the instrument panel next to the DRVU (refer to Figure 25).

   CAN header connector: **N82**
   CAN H colour: **Yellow/White (Y/W)**

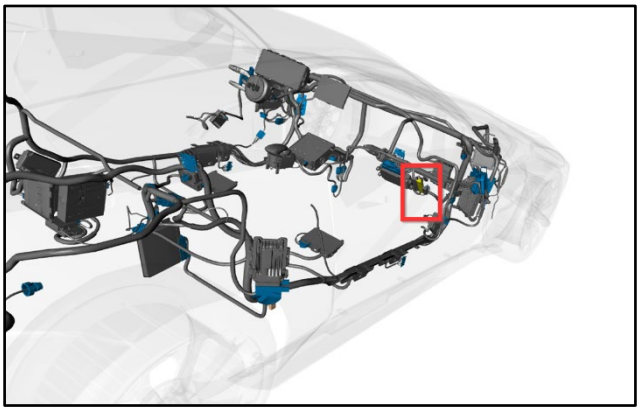


Figure 25

9. **HU CAN** – This header is in the instrument panel next to the DRVU (refer to Figure 26).

   CAN header connector: **N87**
   CAN H colour: **Black/White (B/W)**

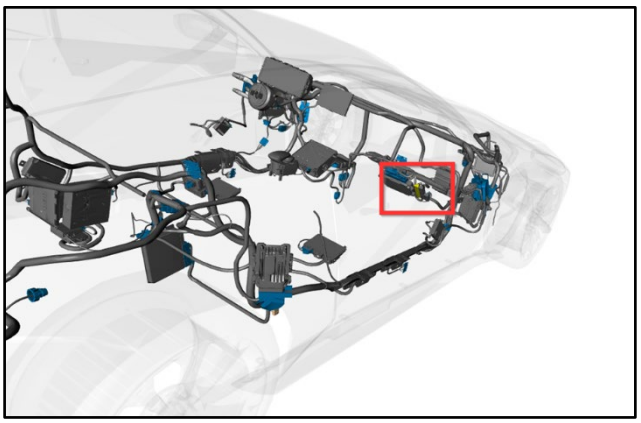


Figure 26

10. **FlexRay CAN Breakout** – This 22-way connection is on the passenger's side (refer to Figure 27).
    Use the Breakout Flexray cable to bridge the 22-way connector. Connect the 3-pin plug to the Flexray 3-pin plug on the AM cable.

    CAN header connector: **C38.12 (22-way grey connector)**
    CAN H colour: **Green (high) & Pink (low)**

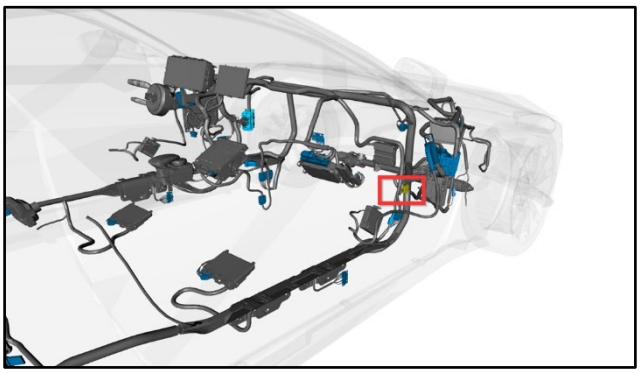


Figure 27

11. Connect the 25-way and 15-way connectors to the datalogger.
12. Connect the 22-way connectors. This will connect the EVO cable to the datalogger.
13. If the Configuration Cover Sheet says a trigger switch is necessary, connect the trigger switch to the rebel interface cable. Put the switch in a position where you can access it when driving.
14. If the configuration cover sheet says a GPS/GPRS antenna is necessary, connect the GPS/GPRS antenna to the datalogger. Put the antenna on the dashboard or on the parcel shelf.
15. When the datalogger has recorded events, do section 5 of this Service Bulletin.

Guide E: CCP (Rapide, Vanquish, V12 Vantage)

1. Make sure you have these items of equipment prepared:
    1. Influx datalogger – with SD card inserted
    2. Single OBD cable
    3. Rebel interface cable
    4. Trigger switch (if this is included on the cover sheet)
    5. Resistive link lead
    6. Configuration Cover Sheet
    7. GPS and GPRS antenna (if this is included on the cover sheet)
2. Make sure you have configured the datalogger (refer to section 4).
3. Connect the single OBD cable to the OBD port on the passenger's side.
4. Connect the 25-way and 15-way connectors to the datalogger.
5. Connect the 22-way connectors. This will connect the OBD cable to the datalogger. Make sure the resistive link is connected.
6. Connect the AMDS kit to the port on the driver's side and connect to the vehicle using AMDS as usual.
7. Access "Special Apps" and select "CCP Enable Disable" (CCP stands for CAN Communication Protocol) (refer to Figure 28).

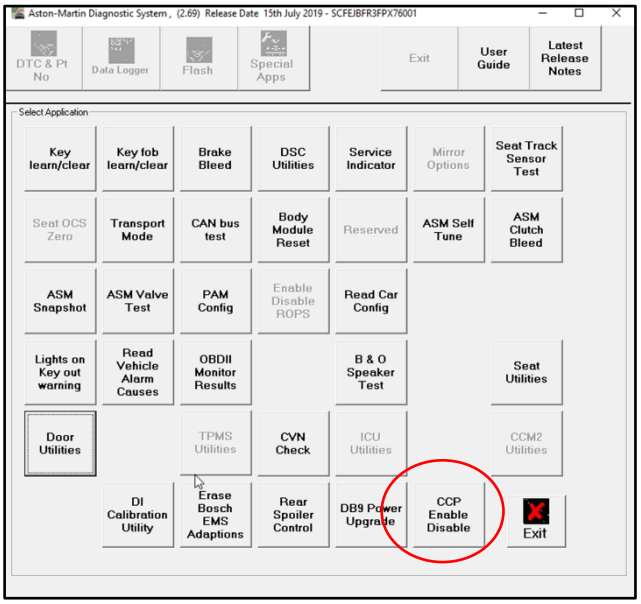


Figure 28

8. Make sure that “Master” and “Slave” are both selected (refer to Figure 29). Click “Allow CCP”.

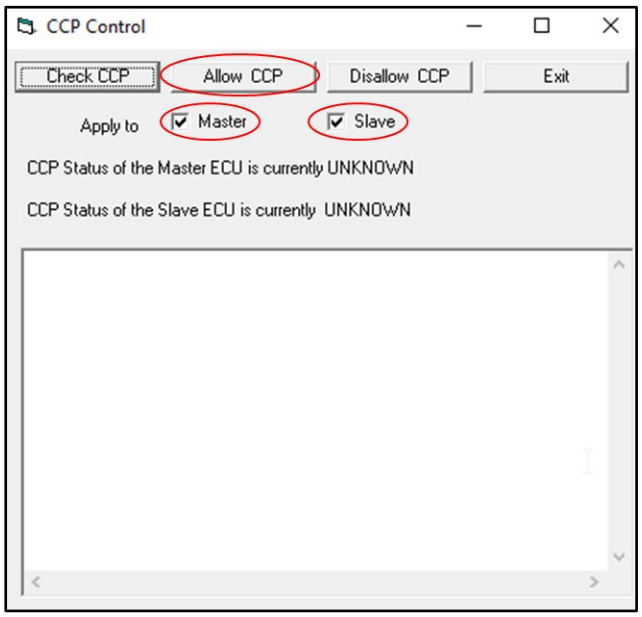


Figure 29

9. Click “Yes” on the dialog box (refer to Figure 30).

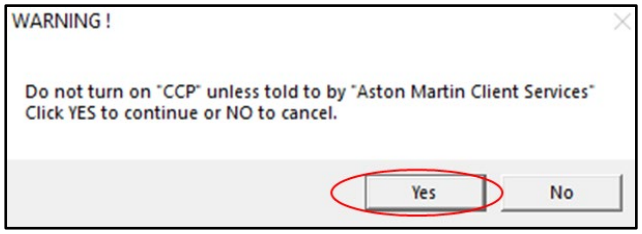


Figure 30

10. Make sure that “CCP Start: Successful” is shown on both ECUs.

Note: ***Steps 6 to 9 above must be done again if the ignition is cycled off and on.***

To record the initial engine start, put the key in position 2 but do not push it under flush. “Engine Start” will illuminate red when you put your foot on the brake pedal (or the clutch pedal for a vehicle with manual transmission).

11. If the Configuration Cover Sheet says a trigger switch is necessary, connect the trigger switch to the rebel interface cable. Put the switch in a position where you can access it when driving.

12. If the configuration cover sheet says a GPS/GPRS antenna is necessary, connect the GPS/GPRS antenna to the datalogger. Put the antenna on the dashboard or on the parcel shelf.

13. When the datalogger has recorded events, do section 5 of this Service Bulletin.

Guide F: CCP (DB11 V12 and DBS Superleggera)

1. Make sure you have these items of equipment prepared:
    1. Influx datalogger – with SD card inserted
    2. EVO cable
    3. Rebel interface cable
    4. Trigger switch (if this is included on the cover sheet)
    5. Configuration Cover Sheet
    6. GPS and GPRS antenna (if this is included on the cover sheet)
2. Make sure you have configured the datalogger (refer to section 4).
3. Connect the EVO cable to the vehicle. The OBD connector goes to the driver's side. The Controller Area Network (CAN) connector goes to the engine CAN header in the passenger's footwell (refer to Figure 31). The name of the correct CAN connector will be written on the cover sheet.

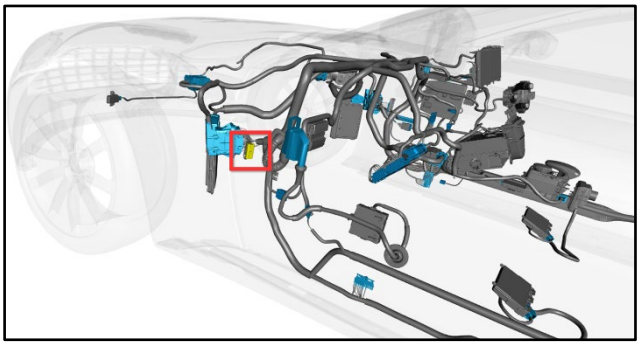


Figure 31

4. Connect the 25-way and 15-way connectors to the datalogger.
5. Connect the 22-way connectors. This will connect the EVO cable to the datalogger.
6. If the Configuration Cover Sheet says a trigger switch is necessary, connect the trigger switch to the rebel interface cable. Put the switch in a position where you can access it when driving.
7. If the configuration cover sheet says a GPS/GPRS antenna is necessary, connect the GPS/GPRS antenna to the datalogger. Put the antenna on the dashboard or on the parcel shelf.
8. When the datalogger has recorded events, do section 5 of this Service Bulletin.

Guide G: CCP (DB11 V8, Vantage 19MY)

1. Make sure you have these items of equipment prepared:
   1. Influx datalogger – with SD card inserted
   2. Single OBD cable
   3. Rebel interface cable
   4. Trigger switch (if this is included on the cover sheet)
   5. Configuration Cover Sheet
   6. GPS and GPRS antenna (if this is included on the cover sheet)

2. Make sure you have configured the datalogger (refer to section 4).

3. Connect the single OBD cable into the OBD port on the driver's side.

4. Connect the 25-way and 15-way connectors into the datalogger.

5. Connect the 22-way connectors. This links the OBD cable to the datalogger.

6. If the Configuration Cover Sheet says a trigger switch is necessary, connect the trigger switch to the rebel interface cable. Put the switch in a position where you can access it when driving.

7. If the configuration cover sheet says a GPS/GPRS antenna is necessary, connect the GPS/GPRS antenna to the datalogger. Put the antenna on the dashboard or on the parcel shelf.

8. When the datalogger has recorded events, do section 5 of this Service Bulletin.

If you have any questions related to this Service Bulletin, please contact: Aston Martin Technical Services on: +44 (0) 1926 644720, email: askamtech@astonmartin.com,
Or contact your After Sales Manager.

The English version of this Service Bulletin is written in Simplified Technical English to ASD-STE100™.